

Département Mathématiques Informatique

Cycle d'Ingénieur

« Génie du logiciel et des systèmes informatiques
distribués »

Examen blanc

Design Pattern et AOP

Elaboré par :

TAFFAH Achraf

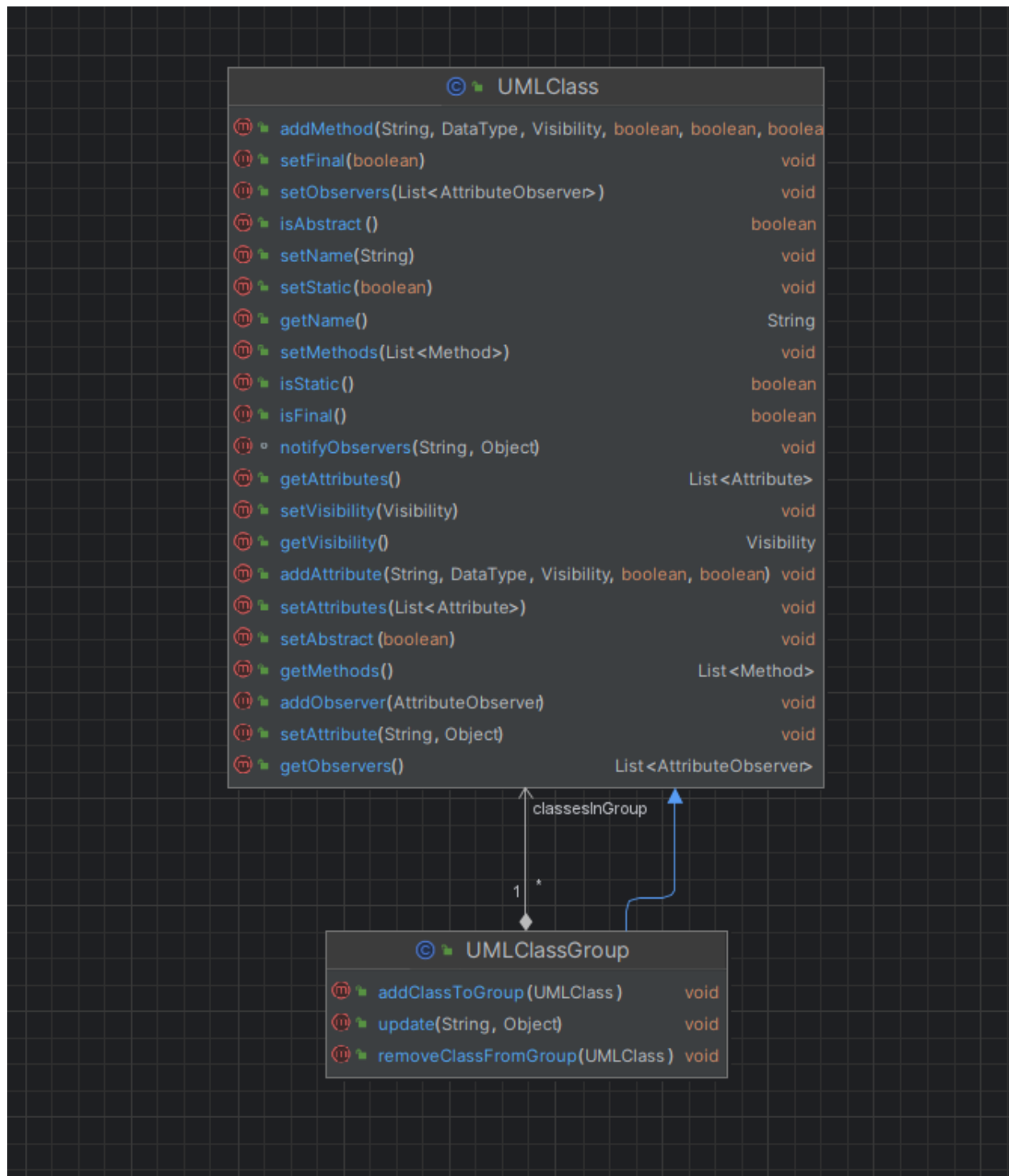
Professeur :

Mr. Mohamed YOUSSEFI

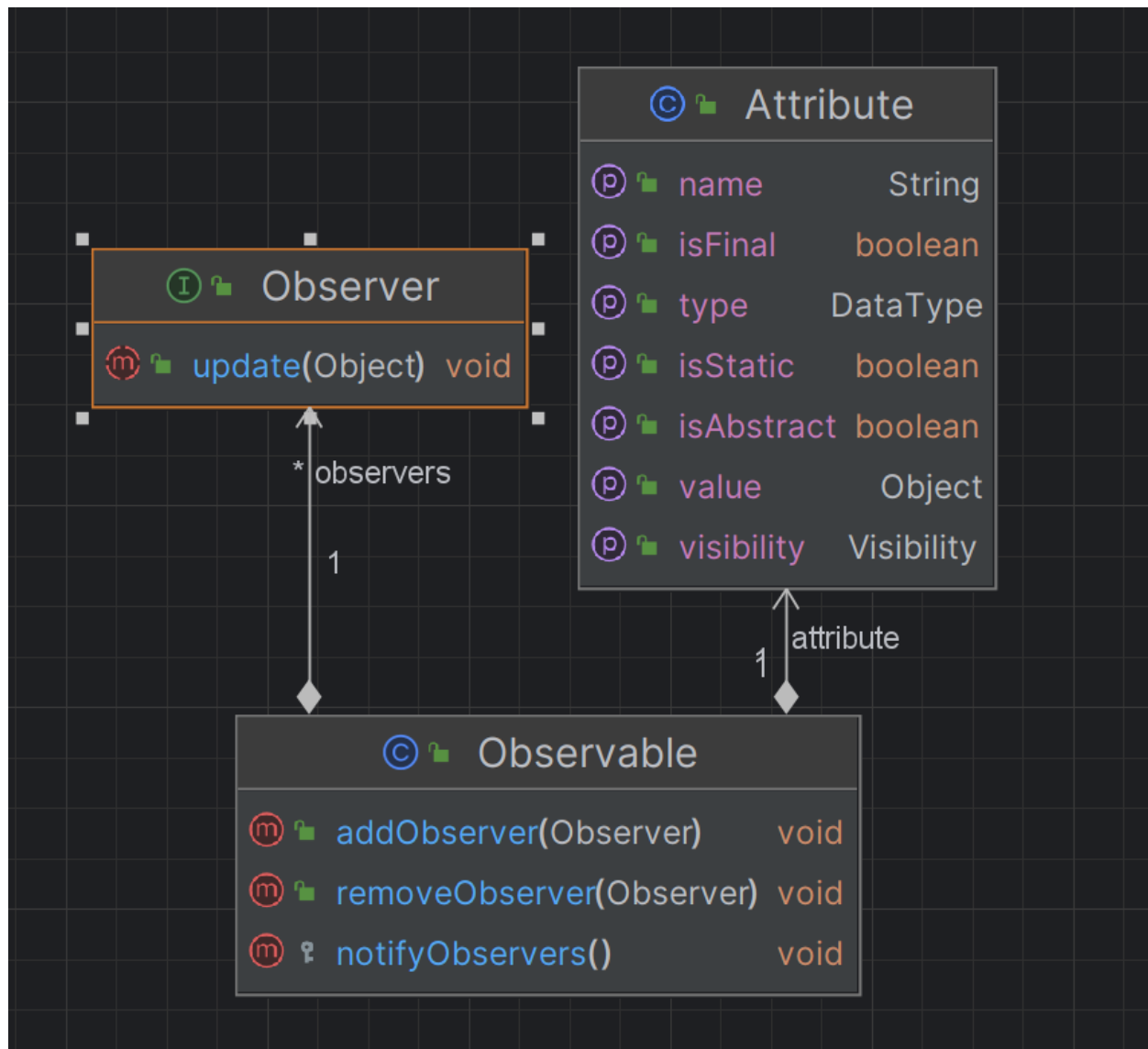
Année universitaire : 2023/2024

Sommaire

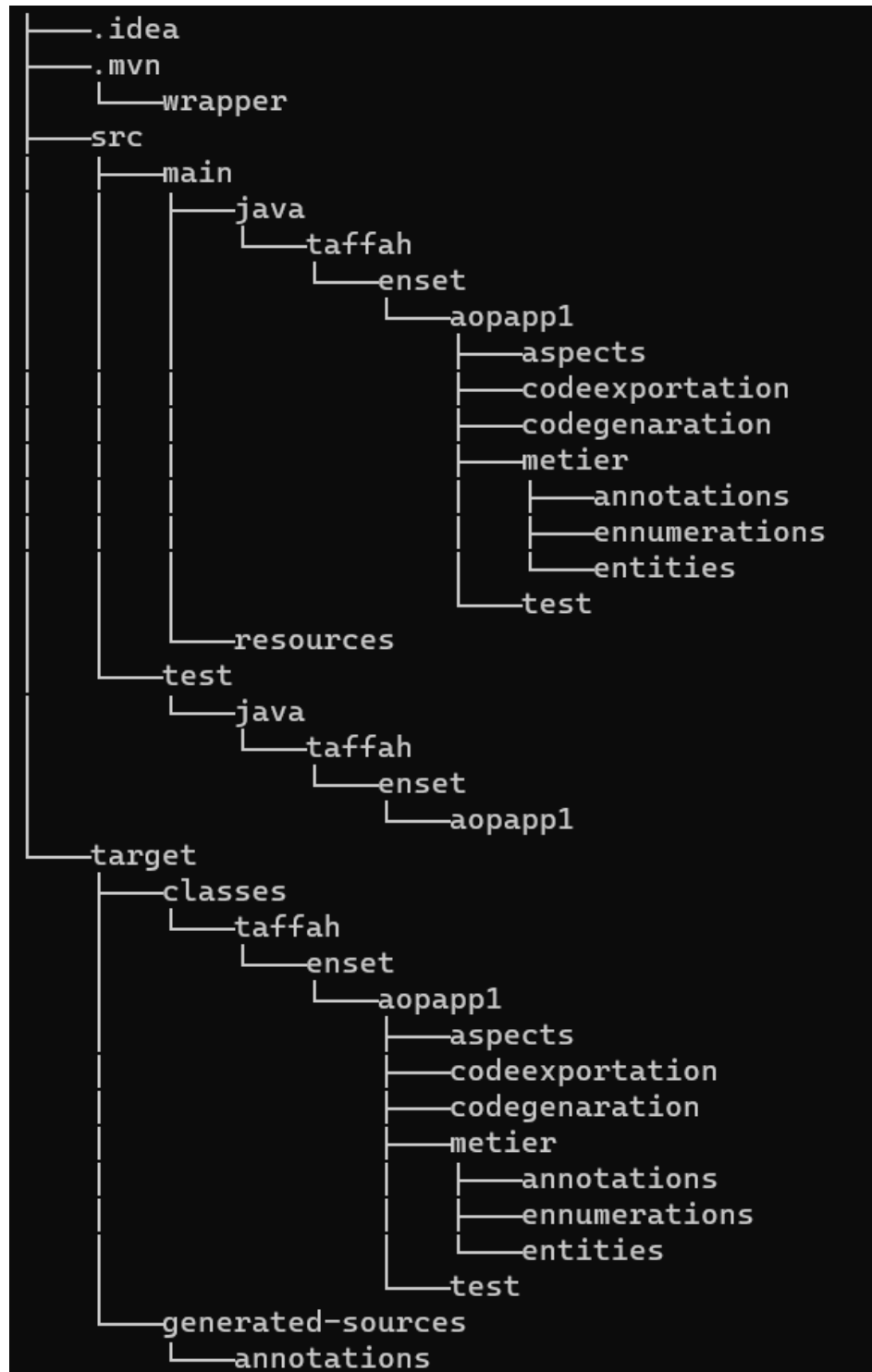
Design Pattern et AOP	1
Examen blanc	Erreur ! Signet non défini.
Sommaire	2
Conception uml	3
Structure du projet.....	6
Résultat du test	7



- Diagramme de classe du pattern Observer

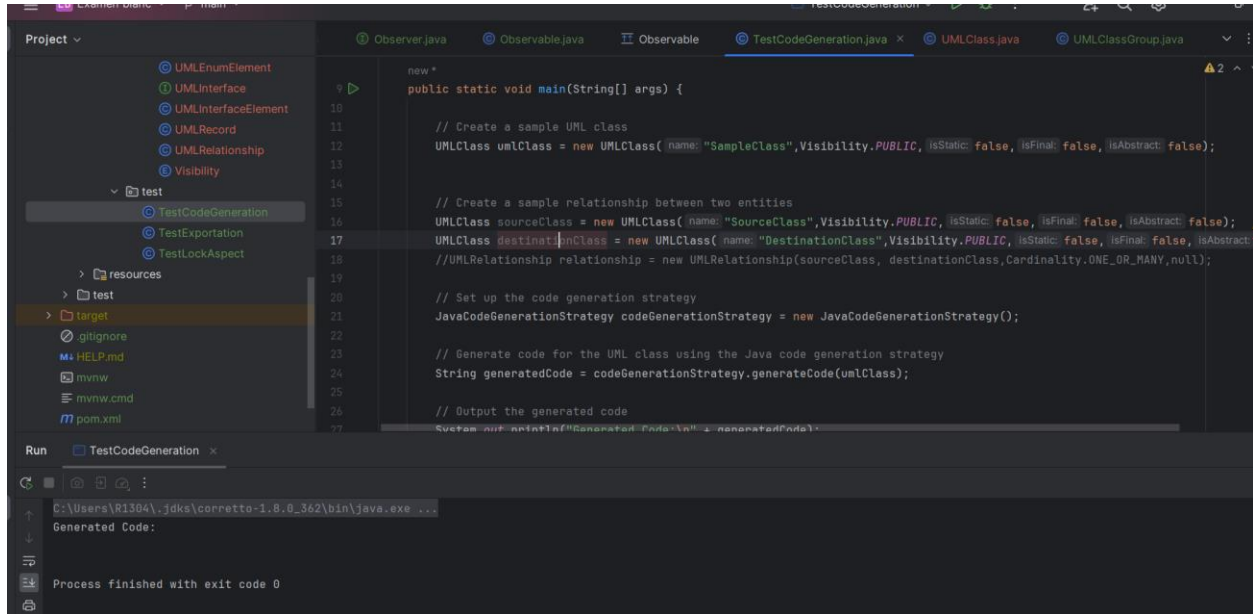


Structure du projet



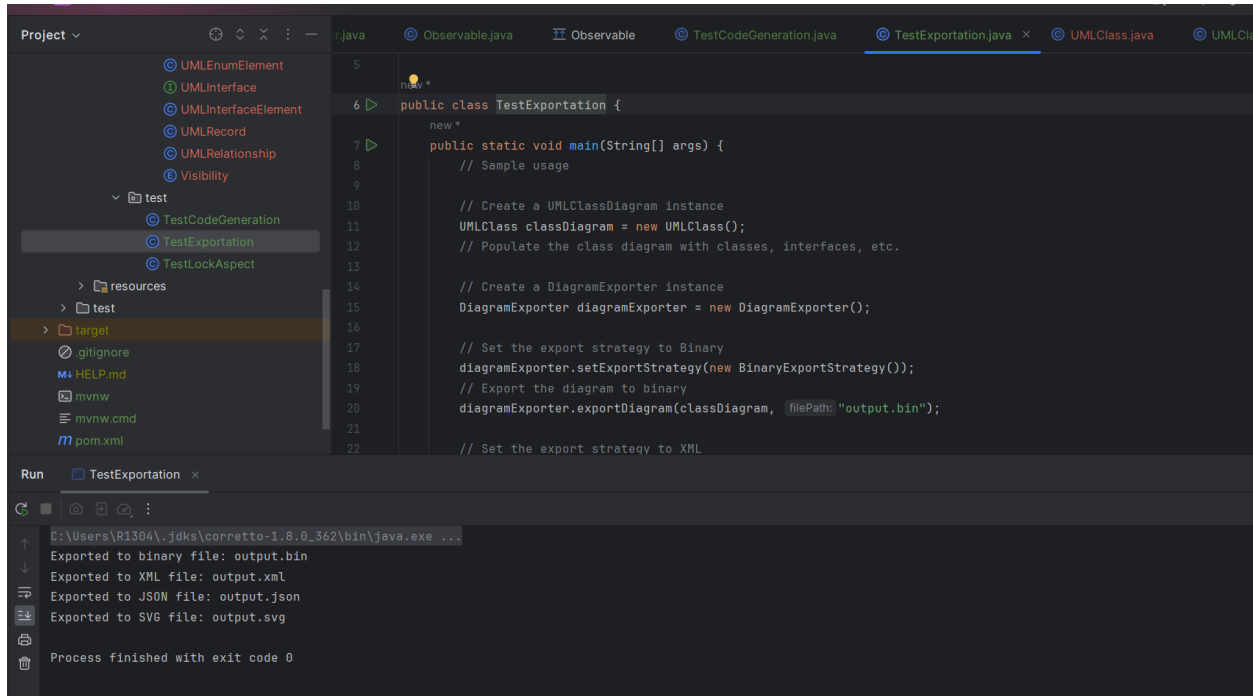
Résultat du test

Le test du génération du code



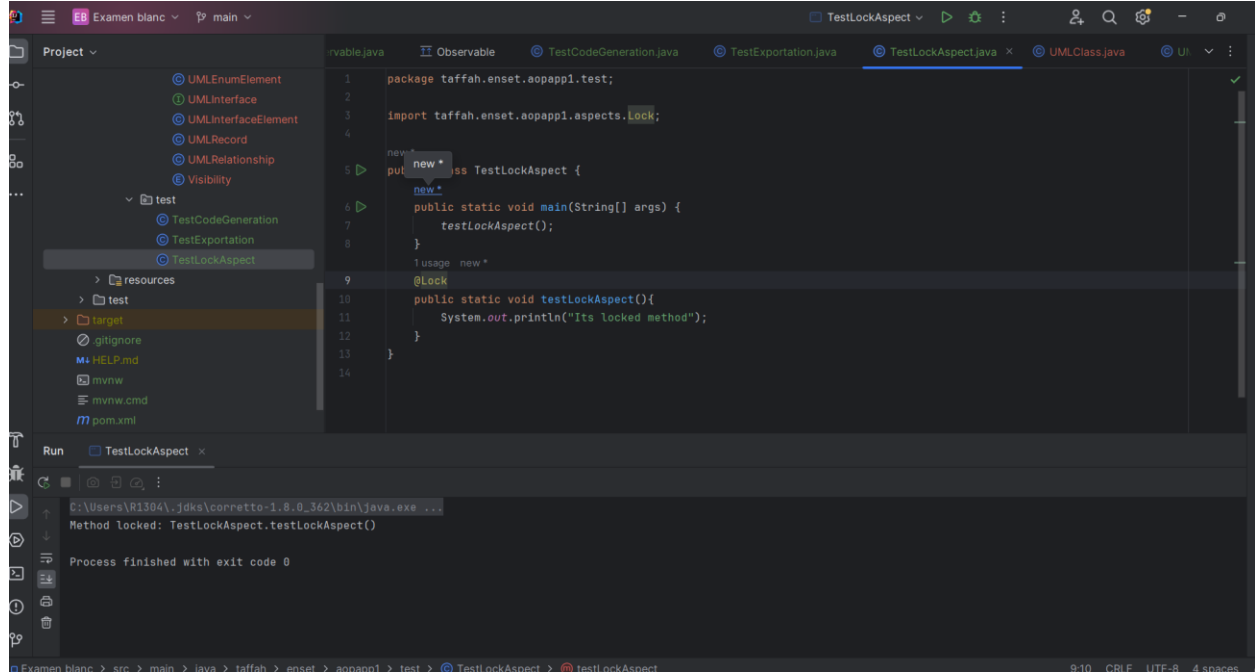
The screenshot shows an IDE with the `TestCodeGeneration.java` file open. The code defines a `main` method that creates a sample UML class, a relationship between two classes, and generates Java code using a `JavaCodeGenerationStrategy`. The `Run` tab at the bottom shows the execution output: "Generated Code:" followed by the generated code, and "Process finished with exit code 0".

Le test d'exportation du code



The screenshot shows an IDE with the `TestExportation.java` file open. The code defines a `main` method that creates a `UMLClassDiagram` instance, populates it with classes and interfaces, and exports it to various formats (Binary, XML, JSON, SVG) using a `DiagramExporter`. The `Run` tab at the bottom shows the execution output: "Exported to binary file: output.bin", "Exported to XML file: output.xml", "Exported to JSON file: output.json", "Exported to SVG file: output.svg", and "Process finished with exit code 0".

Le test de lock aspect



```
1 package taffah.enset.aopapp1.test;
2
3 import taffah.enset.aopapp1.aspects.Lock;
4
5 new *
6 put new * ss TestLockAspect {
7     new *
8     public static void main(String[] args) {
9         testLockAspect();
10    }
11    usage new *
12    @Lock
13    public static void testLockAspect(){
14        System.out.println("Its locked method");
15    }
16 }
```

Run TestLockAspect

C:\Users\R1304\jdk\corretto-1.8.0_362\bin\java.exe ...

Method locked: TestLockAspect.testLockAspect()

Process finished with exit code 0